

## Appendix D

WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
<b>Citizen Monitoring Programs</b>				
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, chlorophyll <i>a</i> , Secchi, salinity, nitrate, nitrite, dissolved ammonia, orthophosphate, TSS	Alliance for the Chesapeake Bay Stacey Moulds 804-775-0951 <a href="http://www.AllianceChesBay.org">www.AllianceChesBay.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, dissolved oxygen using EPA protocols, temperature readings collected after April 2003, and chlorophyll <i>a</i> analyzed by DCLS were determined acceptable for assessment use. pH and dissolved oxygen not following EPA protocols are acceptable for assessment for water quality as VA Category 3C or 3D. Laboratory SOPs for chlorophyll <i>a</i> and nutrient data analyzed by academic lab were not accepted.  <b>Chlorophyll <i>a</i> and nutrient data from academic lab not accepted.</b>	Reference February 12, 2004 letter to Stacey Moulds. Data for nitrite, dissolved ammonia, TSS, orthophosphate, Secchi, and salinity were not used for assessment because the state does not have water quality standards for comparison. The state water quality standard for nitrate is relative to human health in public water supplies only.  140 stations with 6,003 sample events over the five year assessment window.
Ambient data for general water quality monitoring	ALUS – pH, temperature salinity, Secchi depth, nitrate, nitrite, ammonia, orthophosphate	Assateague Coastal Trust Jan Hill 410- 629-1538 <a href="http://www.actforbays.org/">www.actforbays.org/</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, the methods used to collect pH, temperature, and nutrient data were determined unacceptable for use in the assessment  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Jan Hill. Data for Secchi depth and salinity were not used for assessment since the state does not have water quality standards for comparison.  10 stations with 150 sample events for 1 ½ years of the assessment window (June 2001-December 2002).

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Citizen biological monitoring program using Audubon Naturalist Society protocols	ALUS – Benthic macroinvertebrates and pH temperature	Audubon Naturalist Society Cliff Fairweather 703-803-8400 <a href="http://www.audubonnaturalist.org">www.audubonnaturalist.org</a>	QA/QC review of pH protocol by DEQ Gary Du, 804-698-4189 QA/QC plan and SOPs for benthic macroinvertebrates The method used for pH was determined unacceptable for use in the assessment. Benthic macroinvertebrate data were used for assessment of water quality as VA Category 3C or 3D.  <b>pH and temperature data not accepted.</b>	Reference letter of October 15, 2001 to Cliff Fairweather.  22 stations with 240 sampling events over the five year assessment window.
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate, orthophosphate, turbidity SWIM – fecal coliform	Clean Virginia Waterways/Longwood University Katie Register 434-395-2602 <a href="http://www.longwood.edu/cleanva">www.longwood.edu/cleanva</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, E. coli data collected using EPA protocols are determined acceptable for assessment use. Dissolved oxygen, pH and temperature data were determined acceptable for assessment of water quality as VA Category 3C or 3D.  <b>Data accepted</b>	Reference letter of February 12, 2004 to Katie Register and November 15, 2004 to Dr. David Buckalew  19 stations with 351 sample events over the five year assessment window.
Ambient data for general water quality monitoring	ALUS- DO, pH, temperature	Chesapeake Bay Governors School/ Tidewater RC&D Hugh Markham Kevin Goff	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, DO, pH, and temperature data using DEQ protocols is acceptable for assessment use.  <b>Data accepted</b>	Reference QAPP signed October 2003  12 stations with 78 sample events during 1 year of the assessment report (January 2004 to December 2004)
Ambient data for general	ALUS-temperature, pH,	Environmental Association	QA/QC review by James Beckley,	1 station with 21 sample events

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water quality monitoring	dissolved oxygen, nutrients	for Senior Involvement (EASI) Jon Holmes <a href="http://www.easi.org">www.easi.org</a>	804-698-4025. Upon review of the sample collection protocols and analytical methods, temperature data meets DEQ criteria and is accepted for assessment use. Test methods for pH, dissolved oxygen, and nutrients do not meet EPA criteria and are not accepted for assessment use.  <b>pH, dissolved oxygen, and nutrients not accepted.</b>	over the last 1 ½ years (April 2003 –December 2004) of the five year assessment window.
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate, phosphorus, orthophosphate, TSS SWIM – fecal coliform	Environmentally Concerned Citizens Organization (ECCO) Sara Bell (540) 279-3068	A summary of protocols is available. No detailed SOP or QA/QC plan available. Gary Du, 804-698-4189  <b>No data accepted.</b>	Reference letter of October 4, 2001 to Sara Bell.  4 stations with 14 measurements for 1 year of the assessment window (2000).
Ambient data for general water quality monitoring	ALUS – total phosphorus, nitrate, chlorophyll a, Secchi SWIM – fecal coliform	Ferrum College/Smith Mountain Lake Association Dr. Carolyn Thomas 540-365-4368 <a href="http://www.smlassociation.org">www.smlassociation.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and lab audit, the data were determined unacceptable for assessment due to deviations from Standard Methods.  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Dr. Thomas.  105 stations with approximately 1900 sample events for 3 years of the assessment window (January 2000- December 2002).
Ambient data for general water quality monitoring	ALUS – total phosphorus, nitrate, chlorophyll a, Secchi, SWIM – fecal coliform	Friends of Claytor Lake Darla Tucker 540-674-0166 <a href="http://www.focl.org">www.focl.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and lab audit, the data were determined unacceptable for assessment due to deviations from Standard Methods.	Reference letter of February 12, 2004 to Darla Tucker.  12 stations with 216 sample events over 3 years of the assessment window (January 2000- December 2002).

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			<b>No data accepted.</b>	
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate, nitrite, phosphate, ammonia, turbidity, salinity	Friends of Powhatan Creek Boots Johnson  <a href="http://www.wm.edu/environment/FOPC/FOPC.html">www.wm.edu/environment/FOPC/FOPC.html</a>	A summary of protocols is available. No detailed complete SOP or QA/QC plan available. Gary Du, 804-698-4189 The methods were determined unacceptable for assessment.  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Boots Johnson.  7 stations with 134 sample events for 1 ½ years of the assessment window (Feb. 2000-June 2001).
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate, phosphate, ammonia, turbidity	Friends of the Shenandoah River Karen Andersen 540-665-1286 <a href="http://www.fosr.org">www.fosr.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 The methods and sample collection protocols collected after June 2004 were determined acceptable for assessment for dissolved oxygen, pH, ammonia, and temperature.  <b>No data accepted prior to June 2004</b>	Reference letter of October 6, 2004 to Karen Andersen. Data for nitrate, and orthophosphate were not used for assessment because the state does not have water quality standards for comparison. The state water quality standard for nitrate is relative to human health in public water supplies only.  149 stations with 1115 sample events during last ½ year of the assessment window (June 2004-December 2004)
Ambient data for general water quality monitoring	ALUS – pH, temperature TSS, TP, TN	Historic Green Springs, Inc. Robin Patton (804) 698-4085	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, pH, temperature, and total phosphorus data were determined acceptable for assessment of water quality as VA Category 3C or 3D.  <b>Data accepted</b>	Reference letter of February 12, 2004 to Robin Patton. Data for TSS and total nitrogen were not used for assessment because the state does not have water quality standards for comparison.  7 stations with 55 measurements collected during the last two years of the assessment window (January 2002 – September 2004).

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Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, total phosphorus, Secchi SWIM – fecal coliform	Lake Anna Civic Association Ken Remmers <a href="http://www.lakeannavirginia.org">www.lakeannavirginia.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, pH, dissolved oxygen, temperature, total phosphorus, and E. coli data collected after April 2003 were determined acceptable for assessment. Fecal Coliform and temperature data collected from August 2002 to April 2003; dissolved oxygen and pH data collected prior to April 2003 were used for assessment of water quality as VA Category 3C or 3D.  <b>Data accepted</b>	Reference letter of February 12, 2004 to Bob Weiner.  28 stations with 283 sample events collected for 4 years of the assessment window (2001-2004).
Citizen biological monitoring program using ANS protocols and ambient data for general water quality monitoring	ALUS – Benthic macroinvertebrates, DO, pH, and temperature	Loudoun Wildlife Conservancy Darrell Schwalm 703-430-4180 <a href="http://www.loudounwildlife.org">www.loudounwildlife.org</a>	No summary or detailed SOP or QA/QC plan available for chemical protocols. ANS QA/QC plan and SOPs for benthic macroinvertebrates Benthic macroinvertebrate data were used for assessment of water quality as VA Category 3C or 3D.  <b>Dissolved oxygen, pH , and temperature data not accepted.</b>	Reference letter of February 12, 2004 to Darrell Schwalm.  31 stations with 158 sample events the five year assessment window.
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate, phosphate, ammonia, chlorine, sulfate, sodium, calcium, potassium, magnesium, conductivity SWIM – fecal coliform	Maury River Alliance Dr. David Harbor 540-463-8571	A summary of protocols is available. No detailed SOP or QA/QC plan available. Gary Du, 804-698-4189  <b>No data accepted.</b>	Reference letter of October 4, 2001 to Dr. Harbor.  18 stations with 217 sample events collected for 5 months of the assessment window (Aug. 2000-Dec. 2000).
Ambient data for general	ALUS – DO, pH,	North Fork Goose Creek	QA/QC review by DEQ	Reference letter of February 12,

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water quality monitoring	temperature, nitrate, phosphate	Watershed Committee Kate Marincic <a href="http://loudoun.vaswcd.org/nfgc/">http://loudoun.vaswcd.org/nfgc/</a>	Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, pH and dissolved oxygen data were determined acceptable for assessment of water quality as VA Category 3C or 3D. The temperature data were determined unacceptable for the assessment due to an inaccurate thermometer and the nutrient methods were determined unacceptable for assessment.  <b>Temperature and nutrient data not accepted.</b>	2004 to Kate Marincic.  9 stations with 225 sample events over 1 1/2 years of the assessment window (June 2000-December 2002).
Ambient data for general water quality monitoring	SWIM – fecal coliform	Page County Water Quality Advisory Committee Dr. Tom Benzing 540-568-2794 <a href="http://pagewaterquality.org/">http://pagewaterquality.org/</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and laboratory audit, the fecal coliform data were determined unacceptable for assessment due to deviations from Standard Methods.  <b>Fecal coliform data not accepted.</b>	Reference letter of February 12, 2004 to Dr. Benzing.  32 stations with 226 measurements collected for 1 year of the assessment window (January 2000- December 2000).
Ambient data for general water quality monitoring	ALUS- pH	Shenandoah River Monitoring Project Rick Webb 434-924-1301	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and laboratory audit, pH readings analyzed in the field is acceptable for assessment use.  <b>Data accepted</b>	20 sample stations with 240 sample events collected for 1 year of the assessment report (October 2003- September 2004)

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Fecal coliform data for general water quality monitoring	SWIM – fecal coliform	Staunton/Augusta Chapter of the IWLA Paul Bugas 540-248-9360	A summary of protocols is available. No detailed SOP or QA/QC plan available. Gary Du, 804-698-4189  <b>Data not accepted.</b>	Reference letter of October 4, 2001 to Paul Bugas.  31 stations with 93 measurements collected for 6 months of the assessment window (January 2000-June 2000).
Ambient data for general water quality monitoring	ALUS- DO, pH, temperature, nutrients, E. coli	Sweet Briar College Dr. David Orvos 434.381.6532	QA/QC review by DEQ Gary Du, 804-698-4189. Upon review of the sample collection protocol and analytical methods, E. coli data is acceptable for assessment use.  <b>E. coli data accepted.</b>	Reference QAPP approval in June of 2004.  6 stations with 6 measurements collected in May and June of 2004
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate, nitrite, total phosphorus, TKN, solids SWIM – fecal coliform	Upper Rappahannock Watershed Stream Monitoring Program Greg Wichelns 540-825-8591 <a href="http://www.rappmonitor.va.nacdn.et.org">www.rappmonitor.va.nacdn.et.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols and analytical methods, dissolved oxygen, pH, and temperature data were determined acceptable for assessment of water quality as VA Category 3C or 3D. The fecal coliform and total phosphorus data were determined unacceptable for assessment due to sample collection methods.  <b>Fecal coliform and total phosphorus data not accepted.</b>	Reference letter of February 12, 2004 to Greg Wichelns. Water quality data for nitrite, solids, and TKN were not used directly for assessment because the state does not have water quality standards for comparison. The state has a water quality standard for nitrate relative to human health in public water supplies only.  31 stations with 136 measurements collected for 3 years of the assessment window (2000-2002).
Citizen biological monitoring program using VA SOS protocols	ALUS – Benthic macroinvertebrates	Virginia Save Our Streams Stacey Brown 804-615-5036 <a href="http://www.vasos.org">www.vasos.org</a>	QA/QC plan and SOPs for benthic macroinvertebrates Alex Barron , 804-698-4119 Benthic macroinvertebrate data were used for assessment of water quality as VA Category 3C	Reference letter of March 10, 2003 to Jay Gilliam.  378 stations with 1432 sampling events collected over the five-year assessment window.

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			or 3D.  <b>Data accepted</b>	
<b>Soil and Water Conservation Districts</b>				
Chemical data collected for stormwater discharge monitoring	ALUS - Nitrate, nitrite, TKN, total phosphorus, TSS SWIM – Fecal coliform	Culpeper Soil and Water Conservation District Greg Wichelns 540-825-8591 <a href="http://culpeper.vaswcd.org">http://culpeper.vaswcd.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 This data set was determined unacceptable for the assessment because samples were collected at the end of a discharge pipe and not representative of ambient water quality.  <b>No data accepted.</b>	Reference letter of October 4, 2001 to Greg Wichelns.  3 stations with 12 measurements collected for 5 months during the assessment window (June 2000-November 2000).
Fecal coliform data short-term projects	SWIM – fecal coliform	Guest River Project Muiread Craft 276-926-6621 <a href="http://www.guestriverproject.org">www.guestriverproject.org</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and laboratory audit, the fecal coliform data were determined unacceptable for assessment due to deviations from Standard Methods.  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Muiread Craft  15 stations with 120 measurements collected for 1 month of the assessment window (Oct. 2000-Nov. 2000).
Fecal coliform data short-term projects	SWIM – fecal coliform	Lick Creek/Powell River Watershed Projects Shannon O'Quinn 423-239-2011	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and laboratory audit, the fecal coliform data were determined unacceptable for assessment due to deviations from Standard Methods.  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Shannon O'Quinn.  13 stations with 317 measurements collected for 2 months of the assessment window (June 2001 and June 2002).
Ambient data for general water quality monitoring	ALUS – DO, pH, temperature, nitrate,	Loudoun Soil and Water Conservation District	No detailed SOP or QA/QC plan available for chemical	Reference letter of October 4, 2001 to Pat McIlvaine.



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	phosphate, turbidity SWIM – fecal coliform	Pat McIlvaine 703-777-2075 <a href="http://loudoun.vaswcd.org">http://loudoun.vaswcd.org</a>	parameters. Incomplete lab SOPs for bacteria analysis. QA/QC review by DEQ Gary Du, 804-698-4189  <b>No data accepted.</b>	15 stations with 298 measurements collected for almost 2 years of the assessment window (April 1999-Feb. 2001).
Fecal coliform data short-term projects	SWIM – fecal coliform	McClure River Project Lisa Harris 276-926-6621	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, analytical methods, and laboratory audit, the fecal coliform data were determined unacceptable for assessment due to deviations from Standard Methods.  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Lisa Harris  14 stations with 588 measurements collected for 3 months of the assessment window (Feb. 2002, Sept. 2002, and Feb. 2003).
Ambient data for general water quality monitoring	ALUS – DO SWIM – fecal coliform	Piedmont Region TMDL Initiative Alecia Daves 434- 392-3782 x 113 <a href="http://luna.moonstar.com/~pswcd/tmdl.htm">http://luna.moonstar.com/~pswcd/tmdl.htm</a>	QA/QC review by DEQ Gary Du, 804-698-4189 Upon review of the sample collection protocols, the data were determined unacceptable for assessment due to collection methods.  <b>No data accepted.</b>	Reference letter of February 12, 2004 to Alecia Daves.  26 stations with 566 measurements collected for 1 ½ years of the assessment window (Aug. 1999-Feb. 2001).
Fecal coliform data short-term projects	SWIM – fecal coliform	Upper Levisa River Restoration Project Lisa Harris 276-926-6621	QA/QC review by DEQ Gary Du, 804-698-4189 The fecal coliform data were determined unacceptable for assessment due to deviations from Standard Methods.  <b>No data accepted.</b>	
<b>DEQ Chesapeake Bay Program</b>				
Chesapeake Bay Program Water Quality Monitoring	ALUS – DO, pH, Chl	DEQ-CBP Rick Hoffman 804-698-4334	Documented QA/QC Plan Rick Hoffman, Cindy Johnston	Approx 100 mainstem and tributary, and non-tidal stations monitored monthly

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Chesapeake Bay Biological Monitoring Data	ALUS – Benthic B-IBI	DEQ-CBP Rick Hoffman 804-698-4334	Documented QA/QC Plan Rick Hoffman	Approx 21 mainstem and tributary fixed stations, 100 random stations yearly
Chesapeake Bay Toxics Monitoring (Middle Tidal James River & Upper Tidal York R.)	ALUS – Sediment Organics, Sediment Metals, Toxicity Tests	DEQ-CBP Mark Richards 804-698-4392	Documented QA/QC Plan Mark Richards (Beth McGee Fish & Wildlife Service)	Five stations on each River; not part of annual monitoring program.
Chesapeake Bay Toxics Monitoring (Middle Tidal Rappahannock River)	ALUS – Sediment Organics, H2O/Sediment Metals, H2O/Sediment Toxicity Tests	DEQ-CBP Mark Richards 804-698-4392	Documented QA/QC Plan Mark Richards (Lenwood Hall, Univ. MD)	Ten stations; not part of annual monitoring program.
<b>DEQ Ambient Water Quality Monitoring Program</b>				
Ambient Watershed Monitoring Program – Water column	ALUS – DO, pH, T, SWIM – FC	DEQ-WQMA Roger Stewart 804 698-4449	Documented QA/QC Plan Gary Du 804 698-4189 Some data from approximately 150 stations not assessed because of QA concerns.	Approximately 1400 stations monitored monthly or quarterly for entire 305(b) window.
Ambient Watershed Monitoring Program – Sediment Sampling, Water Column Toxics, Nutrients	ALUS – Sediment Organics, Sediment Metals, Phosphorus, Chlorophyll a Water Column Organics & Metals	DEQ-WQMA Roger Stewart 804 698-4449	Documented QA/QC Plan Gary Du 804 698-4189	Approximately 1400 stations monitored once a year for at least part of the 305(b) window.
<b>DEQ Water Quality Standards Program</b>				
Biological Monitoring Program	ALUS – Benthic (bottom dwelling) macrophytes	DEQ-WQS Jean Gregory 804-698-4113	Protocols and QA/QC Plan Alex Barron 804 689-4119	Approximately 200 stations sampled twice a year (spring & fall) by Regional Biologists
Biological Monitoring Program	ALUS – DO, pH, Temp	DEQ-WQS Jean Gregory 804-698-4113		Ambient field parameters measured by regional biologists during biological monitoring.
Statewide Fish Tissue Program	FISH – Fish Tissue	DEQ-WQS Jean Gregory 804-698-4113	Protocols and QA/QC Plan Alex Barron 804 689-4119	Approximately 40-80 selected stations sampled each year. Rotation around State every 3-5 years.

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Statewide Sediment Contamination Program	ALUS – Sediment Organics, Sediment Metals	DEQ-WQS Jean Gregory 804-698-4113	Protocols and QA/QC Plan Alex Barron 804 689-4119	Approximately 40-80 selected stations sampled each year. Rotation around State every 3-5 years.
Statewide Lake Monitoring	ALUS – DO, pH, Temp, Sediment Organics, Sediment Metals SWIM – FC SWIM – nutrients, chl.	DEQ-WQS Jean Gregory 804-698-4113	Follow ambient watershed QA/QC	Approx. 100 significant lakes Regions sample priority ranked lakes 3 seasons for one year out of 5 on rotation
James River Monitoring of Fish Tissue for Kepone	ALUS – Kepone	DEQ-WQS Alex Barron	Protocols for fish sampling Kepone verified by VIMS Alex Barron 804 698-4119	Four stations in James River sampled every year until 2000; every other year thereafter.
<b>DEQ Special Studies</b>				
Bacteria study in Rapidan River and Blue Run	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	8 stations
Bacteria study in Hazel and Thornton Rivers	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	5 stations
Bacteria study in Mine, Mountain Run	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	4 stations
Bacteria study in Occoquan River and Little Bull Run	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	7 stations
Bacteria study in Robinson River and Little Dark Run	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	4 stations
Bacteria study in the Rappahannock River	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	2 stations
Bacteria study on Broad Run and Kettle Run	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	7 stations
Bacteria study on Robinson Run and Little Dark Run	Fecal Coliform, E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	4 stations

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Biological stressors study on Bull Run and Popes Head Creek	Ambient, sediment, and benthic macro invertebrate	DEQ- NRO Bryant Thomas (703) 583-3843	Followed QA/QC procedures	2 stations
Carter Run TMDL	SWIM – Bacteria	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	8 stations
Deep Run TMDL	SWIM- Fecal Coliform	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	3 stations
Great Run TMDL	SWIM- Fecal Coliform	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	2 stations
Lake Anna Tributaries TMDL (Goldmine, Beaver, Pamunkey and Plentiful Creeks, Mountain & Terrys Run)	ALUS- pH SWIM- Fecal Coliform	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	11 stations in 6 TMDL creeks feeding into Lake Anna
Licking Run TMDL	SWIM- E. coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	1 station
Limestone Branch TMDL	SWIM- Fecal Coliform	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	2 stations
Muddy Run TMDL	SWIM- E.coli	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	3 stations
Piney Run TMDL	SWIM- Fecal Coliform	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	1 station
Lake Anna PCB Study with DEQ and Army Corps of Engineers	FISH – PCB's in sediment and water column	DEQ- NRO Bryant Thomas (703) 583-3843	Followed ambient watershed QA/QC procedures	Analysis of 27 sediment samples and 9 SPMD's for PCB
Appomattox River TMDL	SWIM- - Bacteria (BST) ALUS – DO, Temp, pH	DEQ- PRO Mark Alling (804) 527-5021	Documented QA/QC Plan Roger Stewart	16 stations
Bailey Creek PCB/PCT Study	ALUS - Organics in sediment	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	44 stations sampled once during October 1997-September 1995

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BFI Landfill Study	ALUS – DO, pH, Temp, Phos, Ammonia, Metals Swimming - FC	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	3 stations
Butterwood Creek & Tributaries TMDL	ALUS-DO, pH	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	17 stations
Comparison study of chlorophyll <i>a</i> sampling techniques	Chlorophyll <i>a</i>	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	18 stations
Cypress Swamp TMDL	ALUS- DO, pH SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	13 stations
DSCR Study	ALUS – DO, pH, Temp, organics SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	10 stations
Four Seasons Cleaners Study	ALUS – DO, pH, Temp, Phos, Ammonia SWIM– Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	2 stations
Fourmile Creek TMDL	ALUS – DO, pH, Temp	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	13 stations
Hoskins Creek TMDL	ALUS- pH	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	3 stations
James River CSO Study	ALUS –DO, pH, T SWIM – Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	30 stations twice a month May through October 1994-2001
James River Park Bacteria Study	SWIM– Fecal Coliform, E. Coli	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	5 stations
James River TBT Study	ALUS – TBT in sediment, water column	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	17 stations sampled once during Summer/Fall 2000
Lead Acid Battery Study	ALUS – Metals in sediment	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	10 stations near Rocketts Landing sampled once in Fall/Winter 2000-2001
Livestock Farms Study	ALUS – DO, pH, T, Phos, Ammonia	DEQ- PRO Mark Alling	Followed ambient watershed QA/QC procedures	78 stations total during course of study

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Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
	SWIM – FC	(804) 527-5021		bimonthly monitoring
Matadequin Creek TMDL	ALUS – DO, pH, Temp SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	Bridges and stream walk - Multiple stations
Mattaponi River TMDL	FISH Advisory	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	3 stations
Mechumps Creek TMDL	ALUS – DO, pH, Temp	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	Bridges and stream walk - Multiple stations
Mount Landing Creek TMDL	ALUS – DO, pH, Temp	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	4 stations
Occupacia Creek TMDL	SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	8 stations
Pamunkey River TMDL	SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	10 stations
Pfiesteria Monitoring Study	ALUS – DO, pH, T, ammonia, chlorophyll a, phosphorus, algae	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	20 cohort stations and 22 water quality stations sampled May- October 1998-2001
Pine Hill Creek TMDL	ALUS- pH, DO	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	5 stations
Piscataway Creek TMDL	ALUS – DO, pH, Temp	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	Bridges and streamwalk - Multiple stations
Raccoon & Spring Creek TMDL	ALUS- Benthic	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	15 stations
Roses Creek TMDL	SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	3 stations
Saponny Creek TMDL	ALUS- DO Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	8 stations
South Anna River TMDL	SWIM- Fecal Coliform	DEQ- PRO	Followed ambient watershed	6 stations

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WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
		Mark Alling (804) 527-5021	QA/QC procedures	
Spring Branch TMDL	ALUS- Benthic	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	7 stations
Totopotomoy Creek TMDL	SWIM- Fecal Coliform ALUS- Benthic	DEQ- PRO Mark Alling (804) 527-5021	Followed monitoring QA/QC procedures	1 station
Tuckahoe Creek TMDL	ALUS – DO, pH, Temp, Phos SWIM- Fecal Coliform	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	29 stations
Upper Tributaries to Chickahamony River TMDL	ALUS- Benthic	DEQ- PRO Mark Alling (804) 527-5021	Followed benthic QA/QC procedures	5 stations
White Oak Swamp TMDL	ALUS – DO, pH, Temp	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	10 stations
Winterpock Creek TMDL	ALUS – DO, pH, Temp	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	Bridges and streamwalk - 46 stations
Winticomack Creek TMDL	ALUS – DO, pH, Temp, Phos, Ammonia Swimming – FC	DEQ- PRO Mark Alling (804) 527-5021	Followed ambient watershed QA/QC procedures	9 stations
Altavista & Hurt PCB Soil and Sediment Study (2000)	ALUS – Sediment PCBs	DEQ- SCRO Fred DiLella (434) 582-5120	Documented QA/QC Plan Gary Du	30 soil samples (Includes 5 sediment in Lynch Cr.)
Ash Camp Creek (Source Assessment 2001-2002)	SWIM – Fecal Coliform ALUS – DO, pH, Temperature, BOD5, TSS, Nutrients	DEQ- SCRO Fred DiLella (434) 582-5120	Followed ambient watershed QA/QC procedures	3 stations
Flat Creek (Pre TMDL)	SWIM- Fecal Coliform ALUS- Benthic	DEQ- SCRO Fred DiLella (434) 582-5120	Followed QA/QC protocols	3 stations
Upper Appomattox River Watershed TMDL Study	SWIM- Fecal Coliform	DEQ- SCRO Fred DiLella (434) 582-5120	Followed QA/QC protocols	30 stations
Falling River Watershed TMDL Study	SWIM- Fecal Coliform	DEQ- SCRO Fred DiLella	Followed QA/QC protocols	12 stations

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Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
		(434) 582-5120		
Birch Creek TMDL Study	SWIM- Fecal Coliform	DEQ- SCRO Fred DiLella (434) 582-5120	Followed QA/QC protocols	6 stations
Flat Rock Creek TMDL	SWIM- Fecal Coliform	DEQ- SCRO Fred DiLella (434) 582-5120	Followed ambient watershed QA/QC procedures	8 stations
Great Creek TMDL	SWIM- Fecal Coliform	DEQ- SCRO Fred DiLella (434) 582-5120	Followed ambient watershed QA/QC procedures	5 stations
Pedlar River Reservoir pH Special Study	pH	DEQ- SCRO Fred DiLella (434) 582-5120	Followed ambient watershed QA/QC procedures	6 stations
SCRO Hog Farm Follow-up Special Study	Bacteria and Nutrients	DEQ- SCRO Fred DiLella (434) 582-5120	Followed ambient watershed QA/QC procedures	17 stations
Beaver Creek TMDL	SWIM – Bacteria Benthic Impairment FISH Advisory ALUS – DO, Temp, pH,	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan Roger Stewart	15 stations
Callahan Creek TMDL	ALUS-Benthic SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed ambient watershed QA/QC procedures	1 station
Chestnut Creek TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed QA/QC procedures	2 stations
Clinch River TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan	2 stations
Ely, Puckett, Straight and Stone Creeks-Dissolved metals-2000	ALUS-field parameters, metals	DEQ- SWRO Allen Newman (276) 676-4804	Followed ambient watershed QA/QC procedures	Fourteen stations-single sweep.
Guest River TMDL	ALUS- Benthic	DEQ- SWRO Allen Newman (276) 676-4804	Followed QA/QC procedures	6 stations
Hunting Camp Creek TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed QA/QC procedures	5 stations



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Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
Knox Creek TMDL	ALUS- Benthic FISH- PCB's SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed QA/QC procedures	1 station
Laurel Fork TMDL	ALUS- DO SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed ambient QA/QC Plan	9 stations
Lewis Creek TMDL (Russell County)	ALUS-Benthic	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan	2 stations
Middle Creek TMDL	ALUS- Benthic	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan	1 station
North Fork Holston TMDL	FISH- Mercury	DEQ- SWRO Allen Newman (276) 676-4804	Followed ambient watershed QA/QC procedures	5 stations
North Fork Powell River TMDL	SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed ambient watershed QA/QC procedures	3 stations
Powell River TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan	2 stations
Red Bank Creek (TMDL Support)	SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Followed ambient watershed QA/QC procedures	5 stations
Stock Creek TMDL	FISH Use- PCB's	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan	3 stations
Straight Creek TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- SWRO Allen Newman (276) 676-4804	Documented QA/QC Plan	6 stations
2004/2005 VRO Bacteria Source Tracking Special Study	Fecal Coliform, E. coli	DEQ- VRO Donald Kain (540) 574-7815	Followed QA/QC Procedures	4 stations
Cub Run TMDL	SWIM- Fecal Coliform	DEQ- VRO Donald Kain (540) 574-7815	Documented QA/QC Plan	1 station
Fridley Run TMDL	ALUS- Benthic	DEQ- VRO Donald Kain	Followed QA/QC procedures	1 station

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WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
		(540) 574-7815		
Hawksbill Creek TMDL	SWIM- Fecal Coliform ALUS- Temperature	DEQ- VRO Donald Kain (540) 574-7815	Documented QA/QC Plan	5 stations
Hogue Creek TMDL	ALUS- Benthic, temperature SWIM- Fecal Coliform	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	1 station
Holmans Creek (TMDL Implementation)	SWIM- Fecal Coliform ALUS- Benthic	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	1 station
Lewis Creek TMDL (Augusta County)	ALUS-Benthic FISH- PCB's SWIM- Fecal Coliform	DEQ- VRO Donald Kain (540) 574-7815	Documented QA/QC Plan	1 station
Little Calfpasture River TMDL	ALUS- Benthic	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	2 stations
Little Calfpasture Turbidity Study	Turbidity	DEQ- VRO Donald Kain (540) 574-7815	Followed QA/QC Procedures	6 stations
Mountain Run TMDL	ALUS- Benthic	DEQ- VRO Donald Kain (540) 574-7815	Followed QA/QC procedures	1 station
North Fork Shenandoah River TMDL	SWIM- E. coli	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	9 stations
North River TMDL	SWIM- Fecal coliform	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	7 stations
North River Tributary TMDL Implementation	SWIM- E. coli	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	4 stations
Quail Run TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	5 stations
Shenandoah River Mercury Study	Mercury	DEQ- VRO Donald Kain (540) 574-7815	Followed QA/QC Procedures	15 stations
Smith Creek TMDL	SWIM- Fecal Coliform	DEQ- VRO	Followed ambient watershed	3 stations

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WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
		Donald Kain (540) 574-7815	QA/QC procedures	
South River Intensive Water Column Mercury Sweep	Mercury	DEQ- VRO Donald Kain (540) 574-7815	Followed QA/QC Procedures	45 stations
Stony Creek TMDL	SWIM- Fecal Coliform	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	1 station
Toms Brook TMDL	ALUS- Benthic	DEQ- VRO Donald Kain (540) 574-7815	Followed ambient watershed QA/QC procedures	5 stations
Blackberry Creek (Prep to SS)	SWIM – Bacteria (BST) ALUS – DO, Temp, pH	DEQ- WCRO Jason Hill (540) 562-6724	Follow ambient QA/QC Plan	21 stations
Blackwater River (TMDL Support/Implementation)	ALUS – DO, Temp, pH, RBP II Surveys	DEQ- WCRO Jason Hill (540) 562-6724	Follow ambient QA/QC Plan	8 Stations
Bluestone River TMDL	SWIM- Fecal Coliform ALUS- Benthic FISH- PCB	DEQ- WCRO Jason Hill (540) 562-6724	Follow ambient QA/QC Plan	3 stations
Looney Mill Creek (TMDL Support)	SWIM – Bacteria (BST) ALUS – DO, Temp, pH	DEQ- WCRO Jason Hill (540) 562-6724	Documented QA/QC Plan Roger Stewart	1 station
Mill Creek (TMDL Support)	SWIM – Bacteria ALUS – DO, Temp, pH, TP, NH3-N, Flow	DEQ- WCRO Jason Hill (540) 562-6724	Follow ambient QA/QC Plan	2 stations
New River Valley TMDL	ALUS- Benthic SWIM- Fecal Coliform FISH- PCB's	DEQ- WCRO Jason Hill (540) 562-6724	Followed ambient watershed QA/QC procedures	7 stations
Nonpoint Source Priority Special Study (SS 975101)	SWIM – Bacteria ALUS – DO, Temp, pH, TP, NH3-N, Flow	DEQ- WCRO Jason Hill (540) 562-6724	Documented QA/QC Plan Roger Stewart	29 stations
NPS Watershed Study	Ambient	DEQ- WCRO Jason Hill (540) 562-6724	Followed ambient watershed QA/QC procedures	1 station
Pigg River Watershed TMDL	SWIM- Fecal Coliform	DEQ- WCRO Jason Hill (540) 562-6724	Followed ambient watershed QA/QC procedures	14 stations

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WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
Reed Creek (TMDL Support)	SWIM – Bacteria (BST) ALUS – DO, Temp, pH	DEQ- WCRO Jason Hill (540) 562-6724	Documented QA/QC Plan Roger Stewart	3 stations
Roanoke River Watershed TMDL	ALUS- Temperature, Fish Tissue PCB SWIM- Fecal Coliform	DEQ- WCRO Jason Hill (540) 562-6724	Followed ambient watershed QA/QC procedures	18 stations
South Mayo River (TMDL Support)	SWIM – Bacteria (BST) ALUS – DO, Temp, pH	DEQ- WCRO Jason Hill (540) 562-6724	Documented QA/QC Plan Roger Stewart	1 station
Stroubles Creek (TMDL Support)	ALUS – DO, Temp, pH, RBP II Surveys	DEQ- WCRO Jason Hill (540) 562-6724	Documented QA/QC Plan Roger Stewart	5 stations
Three Creeks TMDL	ALUS- Benthic SWIM- Fecal Coliform	DEQ- WCRO Jason Hill (540) 562-6724	Followed ambient watershed QA/QC procedures	3 stations
Tinker Creek Drainage (TMDL Support)	SWIM – Bacteria (BST) ALUS – DO, Temp, pH	DEQ- WCRO Jason Hill (540) 562-6724	Documented QA/QC Plan Roger Stewart	10 stations
<b>Federal Programs</b>				
EPA's National Study of Chemical Residues in Lake Fish (2001)	FISH -Metals & Other Toxics	EPA <a href="http://www.epa.gov/region03">www.epa.gov/region03</a>	NA	8 fish tissue samples taken at 4 sites in Virginia
Water Quality Monitoring	ALUS-benthic monitoring, general water quality monitoring	NPS- Shenandoah National Park Gordon Olson 570-999-3497 <a href="http://www.nps.gov/shen">www.nps.gov/shen</a>	QA/QC review by Gary Du and James Beckley. Upon reviewing SOP and calibration logs, DO, pH, and temperature data is not acceptable for assessment use. Benthic data is acceptable for assessment use as VA Category 3C and 3D.  <b>DO, pH, and temperature data not accepted</b>	119 stations with 449 sample events from April 2000 to October 2004.
Water Quality monitoring	Overall WQM	USGS Kenneth E. Hyer (804)-261-2636 <a href="http://va.water.usgs.gov">http://va.water.usgs.gov</a>	Standard methods are used.  <b>Data accepted</b>	126 stations with 5,819 sample events from January 2000 to December 2004.

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WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
Water Quality monitoring	ALUS-benthic monitoring, general water quality	USFS Dawn Kirk 540-291-5211 <a href="http://www.fs.fed.us">www.fs.fed.us</a>	ALUS method comparable, pH exceeds holding time.  <b>Biological data accepted</b>	214 stations with 305 biological sample events.
Routine reservoir monitoring	SWIM-e. coli & fecal coliform	TVA Rebecca Hayden (423) 876-6736 <a href="http://www.tva.gov/environment/water">www.tva.gov/environment/water</a>	QA/QC review by Gary Du at laboratory in Johnson City, TN.  <b>Data accepted.</b>	5 stations with 70 observations from May 2002 to June 2004
Coastal 2000 - Estuarine Probabilistic Monitoring (minor Chesapeake Bay and coastal tidal tributaries)	ALUS, DO, pH, Temp, Nutrients, Chlorophyll-a, Sediment triad (chemistry, toxicity, benthos), Fish tissue chemistry	EPA  <b>DEQ-CO</b> Donald H. Smith (804) 698-4429. <b>QA/QC considerations:</b> Gary Du (804) 698-4189	QA/QC by Gary Du in field audits, at DCLS laboratories and of locally analyzed results; John McCauley (EPA) and Tom Heitmuller (USGS) for EPA-contracted laboratories  <b>Data accepted.</b>	Cumulative parameter data, such as sediment and tissue chemistry, sediment toxicity and benthic community structure are assessed using a 'weight of evidence' approach as soon as they return from EPA-contracted laboratories. Single event, water column 'grab sample' data, is used for probabilistic resource characterizations, but not for water body assessments. 199 sample stations with 1956 samples collected during the five year assessment window
<b>Municipal Data</b>				
Routine reservoir monitoring	ALUS – DO, pH , Temperature	City of Norfolk Lakes Program David S. Rosenthal, CLM Reservoir Manager 757-441-5678 ext. 253 <a href="http://www.norfolk.gov/utilities/waterworks.asp">www.norfolk.gov/utilities/waterworks.asp</a>	QA/QC review by Gary Du at laboratory in City of Norfolk. Data collected for dissolved oxygen, pH, and temperature using DEQ calibration protocols accepted for assessment use.  <b>Data accepted</b>	Reference letter September 5, 2002 to David Rosenthal.  22 stations with approximately 225 sample events for 2 years of the assessment window (February 2003- December 2004)
Ambient Water Quality Monitoring	ALUS- DO, pH, Temperature, E. Coli, nutrients, hardness, total suspended solids	Chesterfield County Office of Water Quality Weedon Cole 804-748-1035 <a href="http://www.co.chesterfield.va.us/communitydevelopment/water">www.co.chesterfield.va.us/communitydevelopment/water</a>	QA/QC review by James Beckley. DO, pH, temperature data is acceptable for assessment use for VA Category 3C and 3D. E. coli and nutrient data does not meet QA/QC requirements for	26 stations with 610 sample events for 2 years of the assessment window (January 2002 to December 2003)

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WATER QUALITY DATA SETS CONSIDERED FOR 2006 305(b) ASSESSMENT				
Data Set	Parameters/Use Goals	Organization/Contact	QA/QC Review	Comments
		<a href="#">erquality/</a>	assessment use.  <b>E. coli and nutrient data not accepted.</b>	